

OIPE

RAW SEQUENCE LISTING

DATE: 06/26/2001

PATENT APPLICATION: US/09/872,051

TIME: 09:02:37

Input Set : A:\es.txt

Output Set: N:\CRF3\06262001\I872051.raw

Does Not Comply
Corrected Diskette Needed

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3 <110> APPLICANT: Monsanto Co
4     Behr, Carl
5     Hironaka, Catherine
6     Heck, Gregory
7     You, Jinsong
9 <120> TITLE OF INVENTION: Corn Event PV-ZMGT32(nk603) and Composition and Methods for
Detection
10    Thereof
12 <130> FILE REFERENCE: 38-21(52258)B
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/872,051
C--> 14 <141> CURRENT FILING DATE: 2001-06-01
14 <150> PRIOR APPLICATION NUMBER: 60/213,567
15 <151> PRIOR FILING DATE: 2000-06-22
17 <150> PRIOR APPLICATION NUMBER: 60/241,215
18 <151> PRIOR FILING DATE: 2000-10-13
20 <150> PRIOR APPLICATION NUMBER: 60/240,014
21 <151> PRIOR FILING DATE: 2000-10-13
23 <160> NUMBER OF SEQ ID NOS: 16
25 <170> SOFTWARE: PatentIn version 3.0
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28 <211> LENGTH: 22
29 <212> TYPE: DNA
C--> 30 <213> ORGANISM: artificial Artificial sequence
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33 <221> NAME/KEY: source
34 <222> LOCATION: (1)..(22)
35 <223> OTHER INFORMATION: fully synthesized
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39 gtatatcgac tcactatagg gc 22
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48 <221> NAME/KEY: source
49 <222> LOCATION: (1)..(30)
50 <223> OTHER INFORMATION: full synthesized
53 <400> SEQUENCE: 2
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58 <211> LENGTH: 19
59 <212> TYPE: DNA
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62 <220> FEATURE:
63 <221> NAME/KEY: source
64 <222> LOCATION: (1)..(19)
65 <223> OTHER INFORMATION: fully synthesized
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73 <211> LENGTH: 29
74 <212> TYPE: DNA
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78 <221> NAME/KEY: source
79 <222> LOCATION: (1)..(29)
80 <223> OTHER INFORMATION: fully synthesized
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84 ctttggttta ttttggaacta tcccgactc 29
87 <210> SEQ ID NO: 5
88 <211> LENGTH: 26
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93 <221> NAME/KEY: source
94 <222> LOCATION: (1)..(26)
95 <223> OTHER INFORMATION: fully synthesized
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99 agattgaatc ctgttgccgg tcttgc 26
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103 <211> LENGTH: 28
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107 <220> FEATURE:
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109 <222> LOCATION: (1)..(28)
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117 <210> SEQ ID NO: 7
118 <211> LENGTH: 498
119 <212> TYPE: DNA
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122 <220> FEATURE:
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124 <222> LOCATION: (1)..(498)
125 <223> OTHER INFORMATION: 1-304 Zea maize genomic DNA
126 305-349 construct vector DNA
127 350-498 rice actin 1 promoter DNA
130 <400> SEQUENCE: 7
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133 tccagggtga agtatcagag gatttaccgc ccatgccttt tatggagaca agaaggggag 120
135 gaggtaaaca gatcagcatc agcgcctcgaa agtttcgtca aaggatgcgg aactgtttcc 180
137 agccgcccgtc gccattcggc cagactcctc ctctctcggc atgagccgat cttttctctg 240
139 gcatttccaa ccctagagac gtgogtcocct ggtgggctgc tcggccagca agcctttag 300
141 cggcccacgc gtggtaccaa gcttgatata cctagggcgg ccgcgttaac aagcttactc 360
143 gaggtcattc atatgcttga gaagagagtc gggatagtcc aaaataaaac aaaggttaaga 420

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145 ttaccggtca aaagtgaaaa catcagttaa aaggtgtata aagtaaaata tcggtataa 480
147 aaggtggccc aaagtga 498
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155 <220> FEATURE:
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157 <222> LOCATION: (1)..(1183)
158 <223> OTHER INFORMATION: 1-164 Agrobacterium tumefaciens nos 3' terminator
159 165-381 construct vector DNA
160 382-686 Zea maize plastid genes, rps11 and rpoA
161 687-1183 Zea maize genomic DNA
164 <400> SEQUENCE: 8
165 gacgttattt atgagatggg tttttatgat tagagtcccg caattataca ttttaatacgc 60
167 gatagaaaac aaaatatagc gcgcaaaacta ggataaatta tcgcgcgcgg tgatcatctat 120
169 gttactagat cggggatata cccggggaat tcggtaccaa gctttttataa tagtagaaaa 180
171 gagtaaat ttccttgggc caccttttat taccgatatt ttactttata ccacctttta 240
173 actgatgtt tcaactttga ccaggtaatc ttacctttgt tttattttgg actatcccga 300
175 ctctcttctc aagcatatga atgacctcga gtaagcttgt taacgcggcc gccctaggga 360
177 tatcaagctt ggtaccacgc gacacacttc cactctagtgt tttgagtggg tctgtttatc 420
179 tcttctcgaa ccataacaga ctagtattat ttgatcattg aatcgtttat ttctcttgaa 480
181 agcggtttca ttttttttta cagacgtctt tttttaggag gtcgacatcc attatgcggc 540
183 ataggtgtta catcgctat acaacttaac cgtacaccac ttttagcaat ggctcgtaat 600
185 gcggcatctc ttccgctacc agcacctttt accataactt ctgctcggtg caaacccact 660
187 gtacgaatag catctactgc tgttctgctg actttatttt ttttaataaa gtgaaaaacc 720
189 ataaaatgga caacaacacc ctgcccttca ctaccggtcg gagcgacgcc gaagatgggg 780
191 ttcaacacgg tcgcgacacg gatgcaacgg accctccaag ccaatactcg aggccggacc 840
193 gacgacgtag gcaggggtgg ccataacgac ggtggcgcca tccaacttgt tctttccctt 900
195 tctctgtctt caacttgcgc cggcagtgctg ctagacccag gggatgctgt gtggaggaga 960
197 ggtcgcgggg cccgattttt atagcctggg cgaggacgag cttggccgaa ccgatccaga 1020
199 gctctgcgca aatcacgaag aaccagtggg gccgctcgcg cctagccac cgccaggagc 1080
201 ggggcttggt gcgagccgta gcgtcgggaa ggggacgacc cgctaggggg gcccatgctc 1140
203 cagcggccag agagaaaaaa agaaaggaag gcgcgagatg atg 1183
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222 <211> LENGTH: 18
223 <212> TYPE: DNA
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Input Set : A:\es.txt

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229 <223> OTHER INFORMATION: zea maize plastid DNA and vector DNA
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238 <212> TYPE: DNA
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242 <221> NAME/KEY: source
243 <222> LOCATION: (1)..(18)
244 <223> OTHER INFORMATION: Zea maize genomic DNA and vector DNA
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256 <220> FEATURE:
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258 <222> LOCATION: (1)..(18)
259 <223> OTHER INFORMATION: Agrobacterium tumefaciens nos 3' terminator and rice actin
promot
260 er DN
263 <400> SEQUENCE: 12
264 accaagcttt tataatag 18
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268 <211> LENGTH: 22
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284 <212> TYPE: DNA
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299 <212> TYPE: DNA

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C--> 300 <213> ORGANISM: artificial
302 <220> FEATURE:
303 <221> NAME/KEY: source
304 <222> LOCATION: (1)..(22)
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313 <211> LENGTH: 22
314 <212> TYPE: DNA
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317 <220> FEATURE:
318 <221> NAME/KEY: source
319 <222> LOCATION: (1)..(22)
320 <223> OTHER INFORMATION: fully synthesized
323 <400> SEQUENCE: 16
324 catcatctcg cgccttcctt tc 22

VERIFICATION SUMMARY

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Input Set : A:\es.txt

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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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L:60 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:75 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
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L:105 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:120 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
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L:315 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:16